



# Marvel iHome MR-M66 Battery Replacement

This guide will show you how to take apart the back assembly from the device, remove the current battery, and insert a new battery.

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## INTRODUCTION

Before starting this guide, you should be able to follow the instructions without any prior knowledge with electronics. However, if you do not have experience with any wiring, follow these steps exactly. The device should be off and there is little chance of any electricity going through the system, but be sure to take all the precautions set out in this guide. While not necessary, you may use a pair of thin gloves while replacing this guide, however using the gloves will make replacing the battery slightly harder.

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### TOOLS:

- [Metal Spudger](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
  - [Electrical Tape in 6 Assorted Colors](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [Portable Soldering Iron](#) (1)
  - [Solder](#) (1)
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## Step 1 — Back Cover



- On the bottom of the device, remove the three screws shown.
- Leave one screw partially in the socket to remove the bottom cover easier.

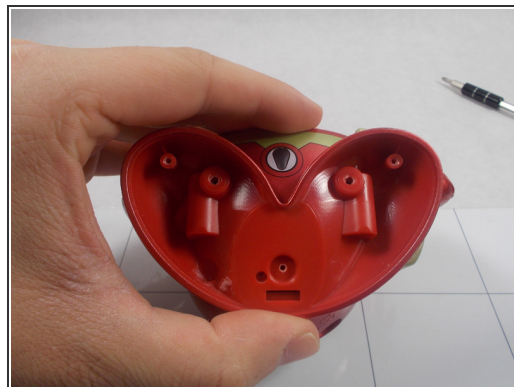
## Step 2



- Remove the bottom cover by either pulling on the screw or using a plastic opening tool to pry the cover off.

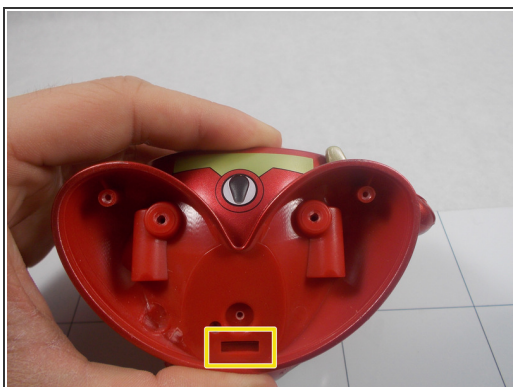


### Step 3



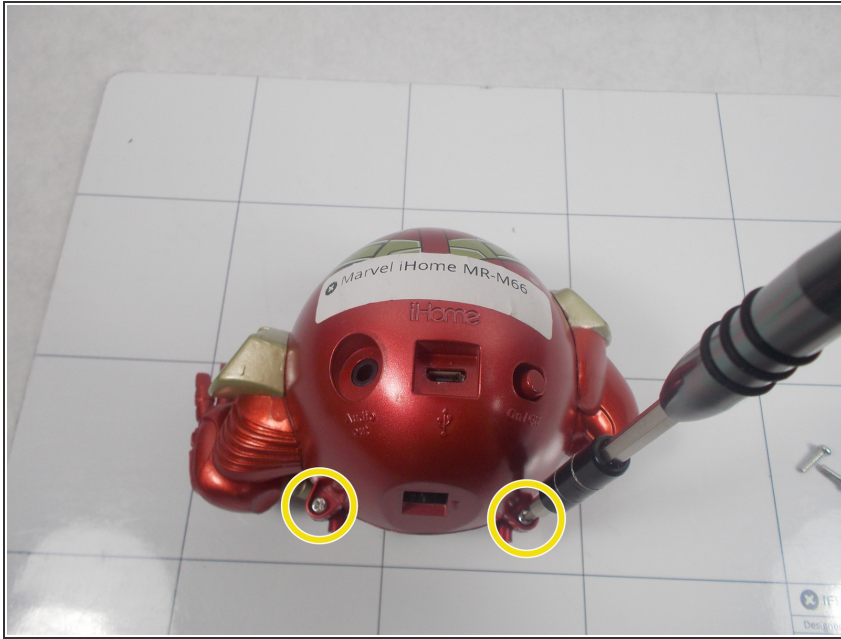
- Remove the two screws as shown.

### Step 4



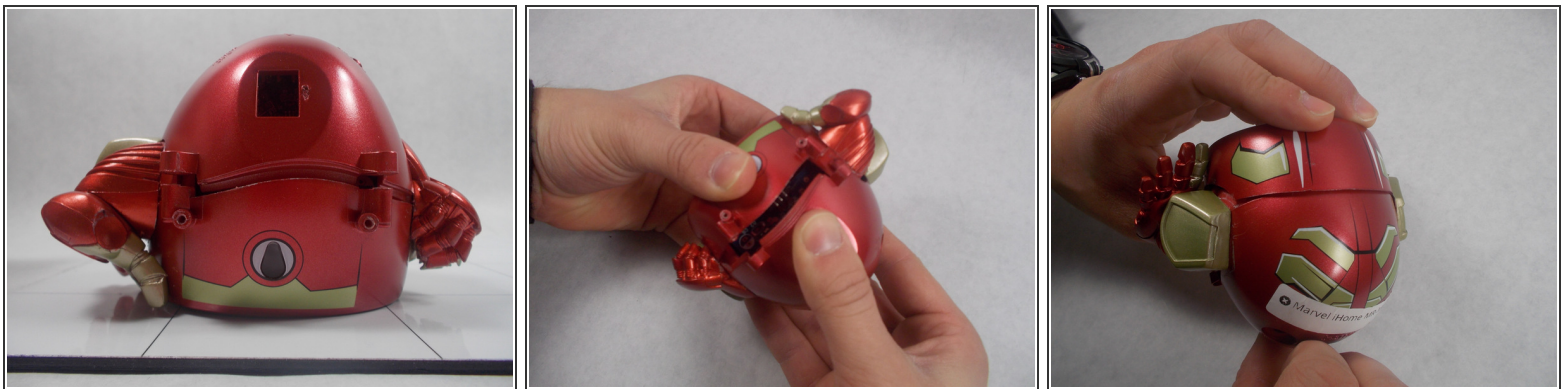
- Use a spudger to release the small retaining clip that holds the feet to the bottom of the device.  
⚠ Try to be careful here, as too much force can break the clip.

## Step 5



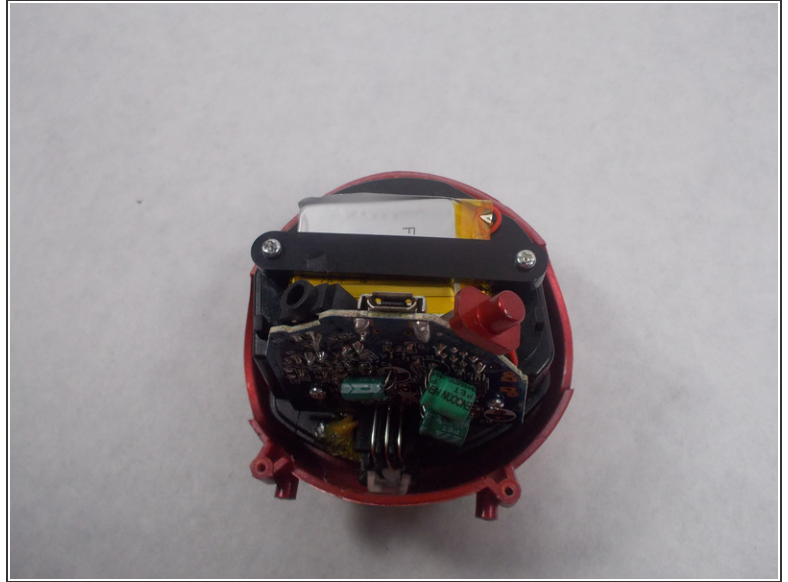
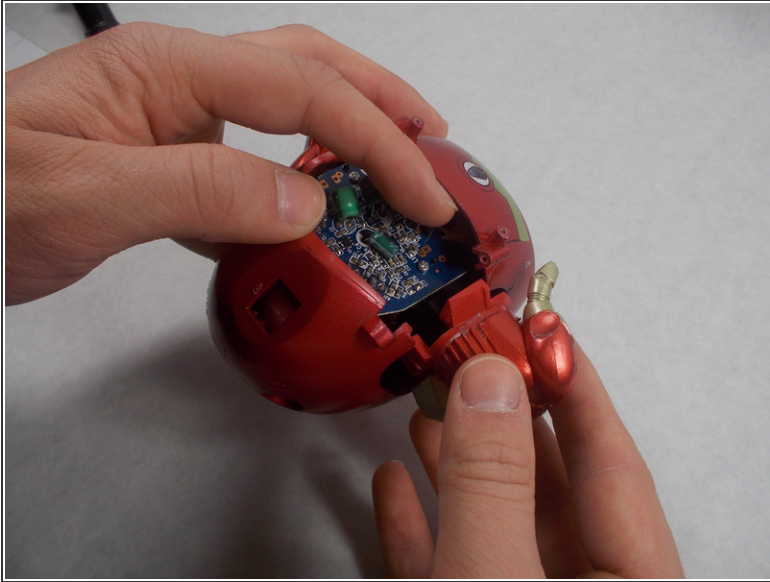
- With the feet now off, remove the two screws shown from the back of the device.

## Step 6



- Using a plastic opening tool, separate the front and back cover from each other.
  - ⓘ This step requires the most time and patience, so be careful.
- Starting from the bottom, use the plastic opening tool to create the initial separation and continue along the seam to the top of the device.
  - Alternate between using the plastic opening tool and your hand to create the separation.
  - ⓘ The power switch will most likely come loose during this step and you will hear something rattling inside the device.

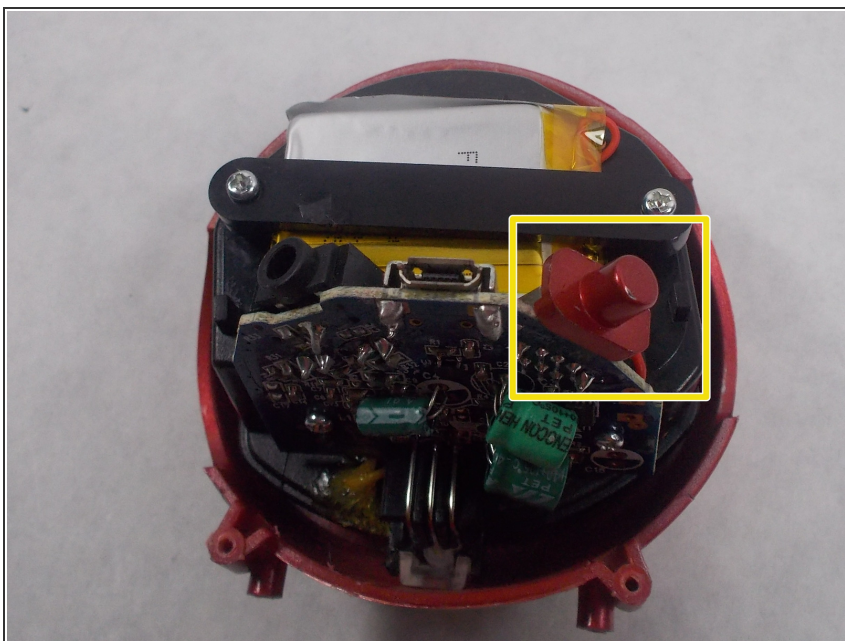
## Step 7



- Once a significant separation has been created, remove the two arms from either side of the device.
  - ⓘ They are not fixed to the body itself so you should be able to wiggle them free.
- Once the arms are out, continue pulling the back cover off the device.
- Remove the power switch cover.

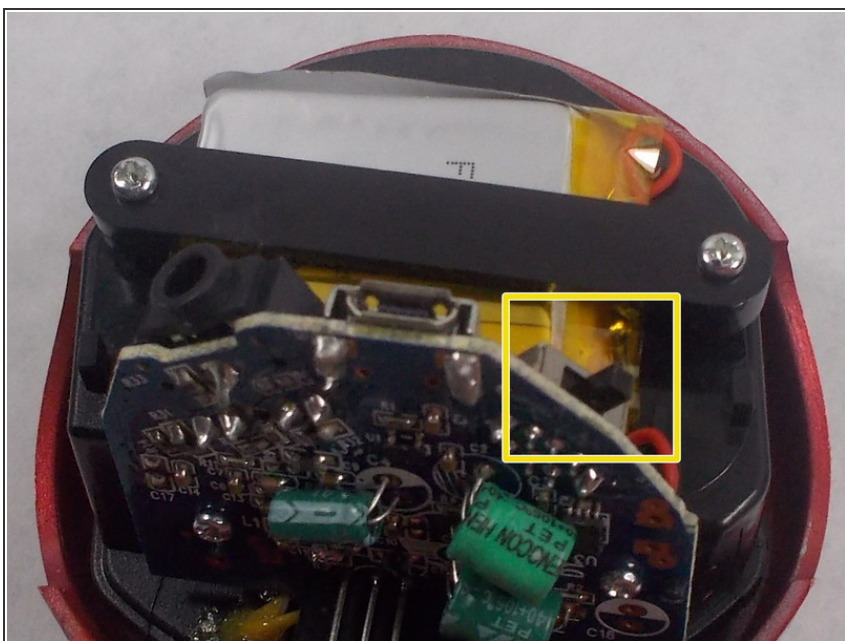


## Step 8 — Battery



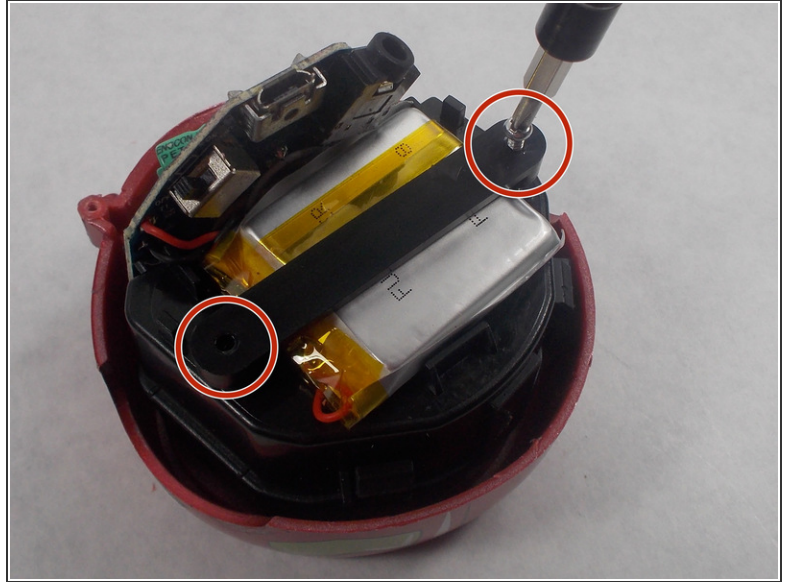
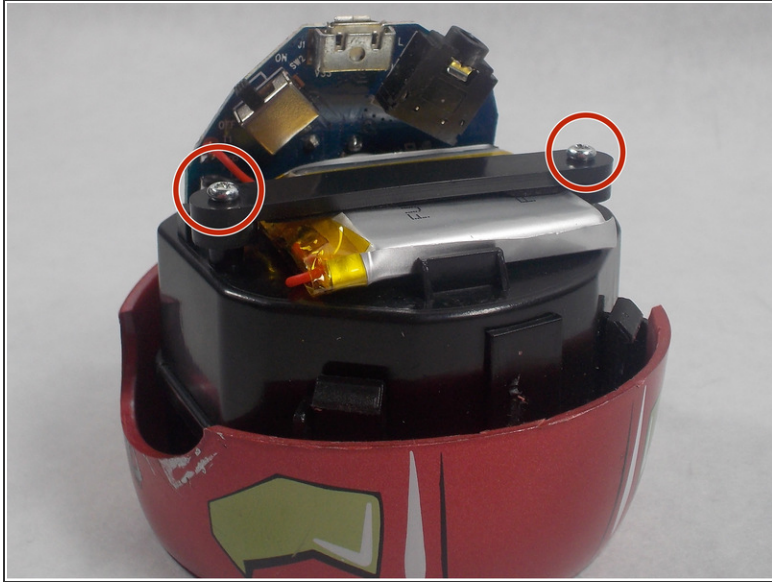
- Remove the red cover for the on/off switch from the device.

## Step 9



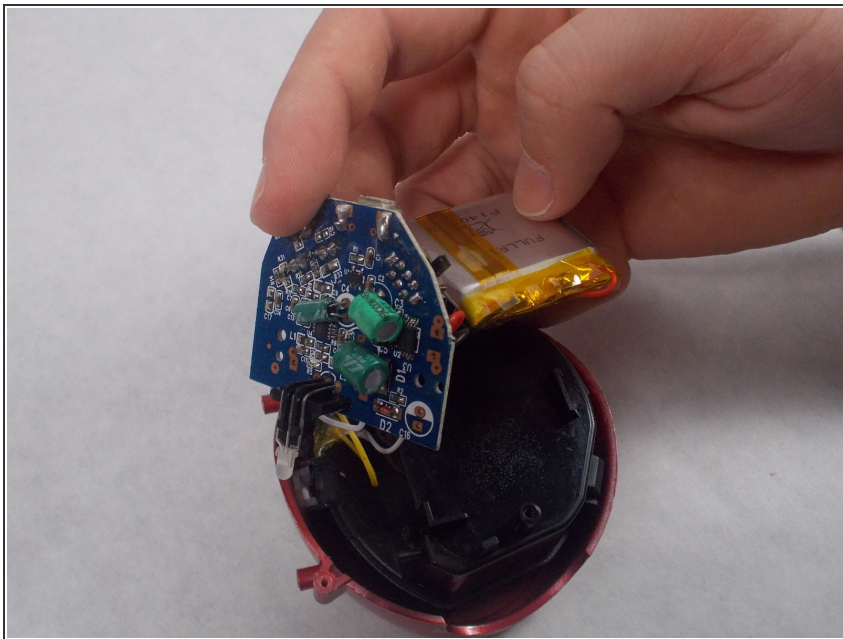
- ⚠ Before taking anything else out or apart, make sure the device is turned off.
- Confirm that the power switch is in the same position as shown in the picture.

## Step 10



- Loosen and remove the two Phillips screws holding down the battery cover (the black plastic strip that keeps the battery in place).

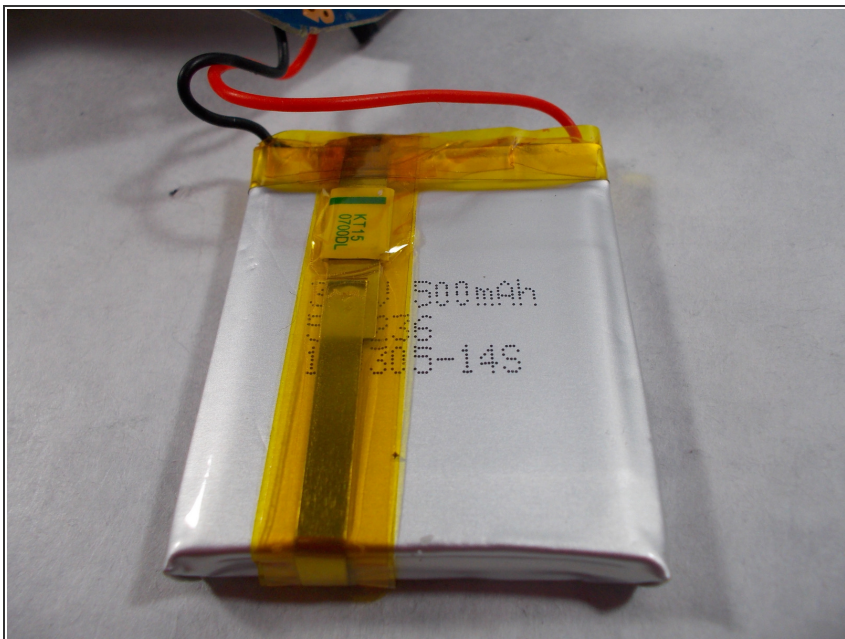
## Step 11



- Remove the battery cover. Set it aside with the on/off button cover, backplate, and other plastic pieces taken from the device.
- The battery should be easy to lift as shown in the picture.

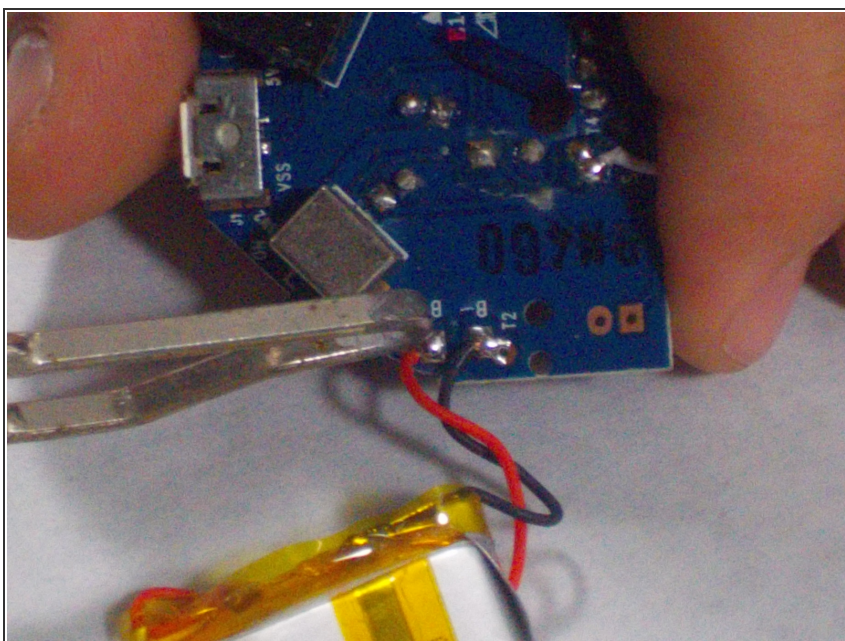


## Step 12



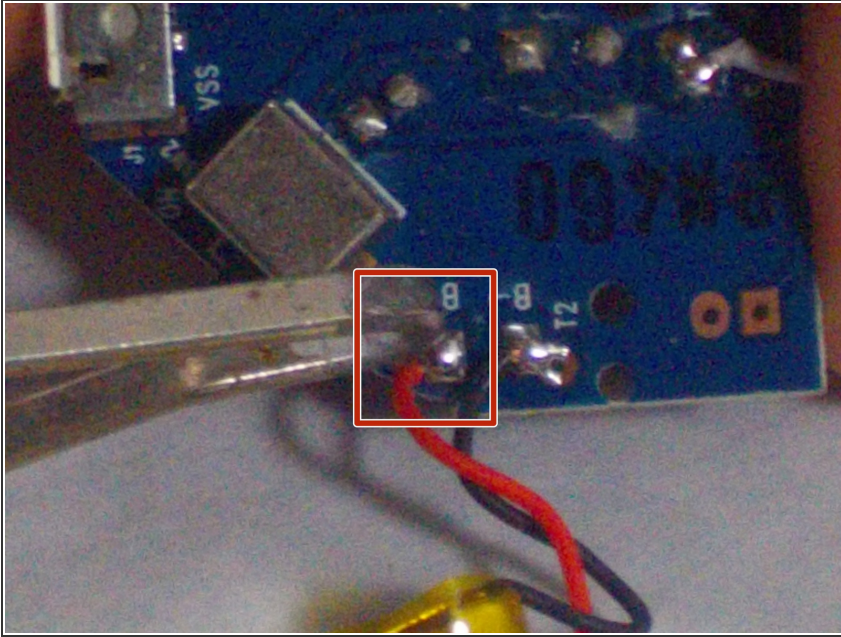
- Gently lift the battery from the rest of the front assembly to stretch the wires out slightly. Gently let the battery hang from the side of the device.

## Step 13



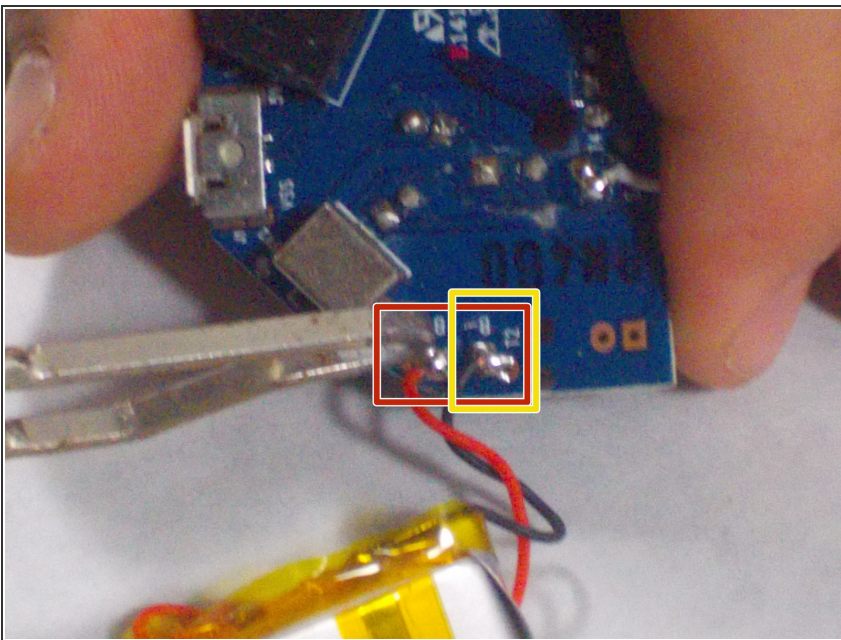
- Take the soldering iron and heat up the solder attaching the end of the red wire from the battery to the motherboard.
- This will loosen the wire from the motherboard.

## Step 14



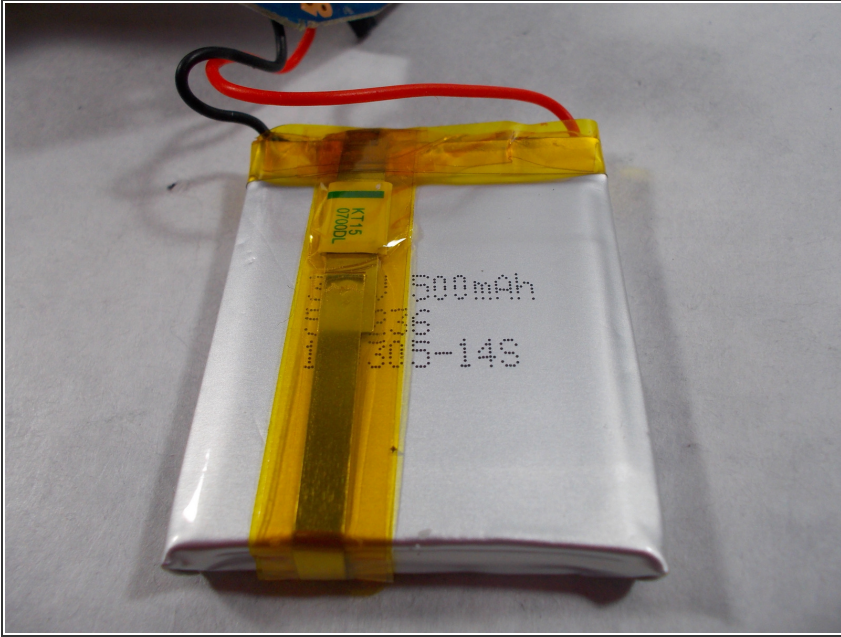
- Take the new battery, place the red wire into the hole on the left that the original battery wire was connected. Heat up the solder already there and place the end of the wire directly onto the solder.
- ⓘ If you let go of the wire and it disconnects from the motherboard, then you may need to add solder onto the motherboard over the hole you put the wire in. Heat the end of the solder and place it over the wire as you add it into the correct hole (on the left in the picture shown).

## Step 15



- Repeat the previous two steps with the second hole and wire

## Step 16



- Set aside the old battery.
- After this step, the new battery should be connected and hanging from the side of the device.

To reassemble your device, follow these instructions in reverse order starting with Step 12.

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